

ATARI US CORP  
XL/XE PRODUCTION TEST  
DIAGNOSTIC ERROR CODES  
REV 3.4: MAY 22, 1986

## SYSTEM ERRORS

A system error is a failure in some critical component which affects the operation of the machine to the extent that it prevents further testing.

- 01 Failure in Antic vertical or horizontal synchronization.
- 02 Failure in Antic vertical blank interrupt.
- 03 Failure in Antic display list interrupt.
- 04 Failure writing or reading page 0 or 1 RAM.
- 05 Failure during data line check. Possible RAM failure.
- 06 Failure during address line check. (Address decoding error).
- 07 Failure during RAM refresh check using pattern 00.
- 08 Failure during RAM refresh check using pattern FF.
- 10 Failure during write to error storage (RAM).
- 11 POKEY timer failed.
- 12 POKEY interrupt failed.

## PORT TEST ERRORS

- 34 Serial communication error. The line carrying serial data or clock is bad, or POKEY chip is bad, or the serial loopback connector is loose.
- 35 Serial control error. The line transmitting the signal for Motor Control, Proceed, Interrupt, or Command is bad; or POKEY chip is bad; or the serial loopback connector is loose.
- 36 Serial control interrupt error. Any condition causing error 35 may also cause this error. If error 35 does not occur, failure is in POKEY or the interrupt line to the 6502, or the 6502 is bad.
- 37 Player port direction error. The lines carrying signals from the PIA to the connectors is bad (FWD, BACK, LEFT, RIGHT), or the PIA is bad, or the loopback connector is not making contact.
- 38 Pot line error. Player port pot lines are bad, or POKEY chip is bad, or loopback connector is not making contact.
- 39 Trigger line error. Player port trigger line or GTIA chip is bad, or loopback connector is not making contact.

## PBI BOARD ERRORS

- 71 This means that either RD4 or S4 is not present on cart connector and/or A13 is not present on Expansion connector.
- 72 This means that MPD is not present on Expansion connector.
- 73 This means that EXSEL is not present on Expansion connector.

NOTE: If Errors 72, 73 and no sound occur simultaneously then CCTL line on cart connector is not present.